

*Papers read before the Society from February 1870, to
February 1871.*

1870.

- Mar. 11. Dark objects crossing the Sun's disk. Lieut. Herschel.
Ephemeris of the Satellites of *Uranus*. Mr. Marth.
Occultation of *m Tauri*. Capt. Noble.
Observation of *Venus* near inferior Conjunction. Capt. Noble.
The Zodiacal Light. Capt. Noble.
On further Changes in the Coloured Belt of *Jupiter*. Mr. Browning.
On the Corona and Zodiacal Light, with suggestions respecting the Observations to be made in December next. Mr. Proctor.
- April 8. Observations of Lunar Eclipse, Jan. 7, 1870. Mr. Tebbutt, Jun.
On the Floor of *Plato*. Mr. Birt.
On the Orbit of the Comet of 1683. Mr. Plummer.
On the frequency of Sun-spots, and their Connection with the Magnetic declination variation. Prof. Wolf.
- May 13. On some Photographs taken during the Total Solar Eclipse, Aug. 7, 1869. Comm. Ashe.
Some further Observations on *η Argús* and the surrounding Nebula. Mr. Abbott.
On an early Telescope made by Giuseppe Campani of Rome. Mr. Williams.
On the determination whether the Corona is a Solar or a Terrestrial Phenomenon. Mr. Seabroke.
On *Jupiter's* Satellites. Mr. Severn.
Occultation of *Saturn*, April 19, 1870. Mr. Joynson.
Ditto ditto ditto Mr. Talmage.
Ditto ditto ditto Capt. Noble.
On the Resolvability of Star-Groups regarded as a test of Distance. Mr. Proctor.
On the Proper Motion of *Groombridge* 1830. Mr. Lynn.
Comparison of the Places of the *Tabulæ Red.* and the Radcliffe Catalogue, 1860. Dr. Wolfers.
Note on the above paper. Mr. Stone.
On Meteorological Observations at Gibraltar. Lieut. Brown.
Observations of Occultations of *Saturn*, &c. Mr. Airy.
On *η Argús*. Mr. Severn.
Loi du Mouvement de Rotation des Planètes. M. Flammarion.
Note respecting the Corona. Prof. Secchi.
Observations at Colebyfield. Mr. Penrose.
- June 10. On the Orbit of *α Centauri*. Mr. E. B. Powell.

- 1871MNRAS...31...129
- Note on Father Secchi's Letter to the Academy of Sciences, April 25, 1870. Mr. Seabroke.
- Note respecting Solar Spots visible to the Naked Eye. Mr. Hill.
- Extract of Letter to Mr. Hind respecting a New Comet. M. Winnecke.
- On a Spectroscope in which the Minimum Angle of Deviation and the Prisms are automatically adjusted for the particular Ray of the Spectrum under Examination. Mr. Browning.
- On the Alteration in the Colour of the Belts of *Jupiter*. Mr. Browning.
- Observations of Winnecke's Comet. Rev. S. J. Perry.
- Nov. 11. Further Observations on the Currents of the Solar Photosphere. Mr. Weston.
- On the Aurora Borealis of Sept. 24, 1870. Admiral Ommanney.
- Observations of Coggia's Comet. Rev. S. J. Perry.
- Observations of the Occultation of *Saturn* by the Moon. Mr. Prince.
- The Laws of Star Grouping. Mr. Proctor.
- On the Use of Screens in Telescopic and other Researches. Mr. Proctor.
- On a Contrivance for Extending the Principle of Mr. Browning's Automatic Spectroscope to a Second Battery of Prisms. Mr. Proctor.
- On a Standard or Uniform Measure of Time. Col. Drayson.
- On a Photograph of *Jupiter*. Mr. Browning.
- On the Spectrum of the Aurora Borealis. Mr. Browning.
- On a Point in Egyptian Chronology. Mr. Abbe.
- On the Automatic Spectroscope for Dr. Huggins. Mr. Grubb.
- On the Performance of a Zenith Sector constructed for the Great Trigonometrical Survey, India. Lieut.-Col. Strange.
- On Periodical Changes in the Physical Condition of *Jupiter*. Mr. Ranyard.
- Dec. 9. On the Proper Motions of 36 A *Ophiuchi* and 30 *Scorpii*. Mr. Lynn.
- On the Proper Motion of Oeltzen's Argelander 17415-6. Mr. Lynn.
- Observations of Coggia's Comet. Mr. Joynson.
- On the Graphical Construction of a Solar Eclipse. Prof. Cayley.
1871. Observations of Solar Eclipse. Baron de Rottenburgh.
- Jan. 16. Summary of Sun-spot Observations made at Kew during 1870. Messrs. De La Rue, Stewart, and Loewy.

Solar Eclipse, Dec. 22, 1870.	Mr. Joynson.
Ditto	ditto
Ditto	ditto
Ditto	ditto
On a presumed new variable star in <i>Orion</i> .	Rev. T. W. Webb.
Spots in <i>Plato</i> .	Mr. Birt.
Solar Eclipse, Dec. 22, 1870.	Mr. Talmage.
Ditto	ditto
Ditto	Dec. 11, 1871.
Ditto	Dec. 22, 1870.
Ditto	ditto
Ditto	ditto
Ditto	ditto
On the change of colour in the Equatorial Belt of <i>Jupiter</i> .	Mr. Browning.
Work done at the Kew Observatory.	Mr. De La Rue.
Solar Eclipse, Dec. 22, 1870.	Lord Lindsay.
Ditto	ditto
Ditto	ditto
Ditto	ditto

List of Public Institutions and of Persons who have contributed to the Society's Library, &c. since the last Anniversary.

Her Majesty's Government.
 Her Majesty's Government in Victoria.
 The Lords Commissioners of the Admiralty.
 Her Majesty's Secretary of State for India.
 Royal Society of London.
 Royal Society, Edinburgh.
 Royal Asiatic Society.
 Royal Irish Academy.
 Royal Geographical Society.
 Royal Institution.
 Royal United Service Institution.
 Geological Society.
 Photographic Society.
 Society of Arts.
 British Meteorological Society.
 British Association.
 Art-Union of London.
 Institute of Actuaries.
 British Horological Institute.
 The Zoological Society.
 Literary and Philosophical Society, Leeds.